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(54) VERIFICATION SYSTEM FOR AD HOC WIRELESS COMMUNICATION

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a verification system for ad hoc wireless communication that can simply verify data integrity in data transmission reception by ad hoc wireless connection.

SOLUTION: A request source and a request destination for opening an encryption communication path are respectively defined to be a transmission source A and a transmission destination B. A verification data generating algorithm ID 1 is arranged in advance between the parties A, B. The A transmits e.g. a public key Kp of the A to the B, generates verification data Xp from the public key Kp by using the algorithm ID 1 and outputs the data to its own verification image display section 27. The B receives the data Kx sent from the A as the key Kp, generates verification data Xx from the Kx by using the ID 1 and outputs the data to its own verification image display section 27. A verifier discriminates that there exists data integrity when the Xp, Xx of the verification image display sections 27 of the parties A, B are coincident.
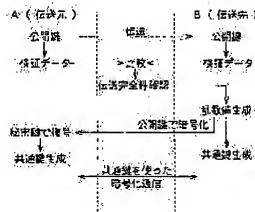
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